Andy Dong

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EDUCATION

Drexel University, College of Computing & Informatics   Anticipated Graduation: September 2026
- Bachelor of Science in Computing and Security Technology | GPA: 3.82
- Minor: Management Information Systems

TECHNICAL SKILLS

Programming: Python, HTML & CSS, Oracle SQL, Bash, Java
Tools: VSCode, Shodan, Canva, Qualtrics, Linux, PowerShell, Figma, draw.io, Vertabelo, Wireshark, Git, Zoom
Foreign Languages: Fluent Chinese, Conversational Fujianese

WORK EXPERIENCE

Drexel University: Drexel Founding Collection   Philadelphia, PA
Data Operations Co-op: Database Administration & Website Migration   October 2025 – Present
- Support in the migration of university collection websites to the Sitecore Gold platform, standardizing content presentation through structured templates
- Administer and maintain the CatalogIt database, standardizing and updating metadata across 5,000+ records
- Prepare collection records for online publication to the CatalogIt HUB to improve public access
- Support digital archival projects and on-site collection management through inventory tracking and maintaining records for exhibitions, loans, and events

University of Pennsylvania: The Wharton School   Philadelphia, PA
Research Assistant at The Operations, Information and Decisions Department   March 2025 – Present
- Develop, implement, and manage automated workflows that streamlined departmental business processes
- Coordinate schedules, agendas, and logistics for departmental guests and seminar speakers
- Automate academic operations by creating, executing, and documenting Python scripts
- Administer A/V and video conferencing systems to support departmental events
- Provide comprehensive technical support and troubleshooting for faculty, doctoral students, and staff

TECHNICAL PROJECTS

Industrial Control Systems (ICS) Vulnerability Risk Assessment   June 2024 – September 2024
Cyber Vulnerability Engineer
- Aggregated international ICS data from 80+ global universities via manual Shodan.io queries and systemic parsing of JSON datasets
- Preprocessed and cleaned collected datasets utilizing Python, Bash, and Excel
- Engineered complex Oracle SQL queries to structure raw data into a formatted schema
- Visualized complex security vulnerability data in Tableau and PowerPoint to guide risk-based decisions

Steam Games Database   June 2023 – September 2024
Data Analyst
- Cleaned and processed raw steam games data from Kaggle using Python and Oracle SQL
- Designed and implemented a normalized relational database through Vertabelo and Oracle SQL Developer
- Leveraged advanced Oracle SQL queries to uncover key trends in pricing, genres, and user ratings

Drexel University Penetration Testing   January 2023 – March 2024
Project Manager
- Directed the full project lifecycle for a penetration testing initiative, facilitated weekly meeting for progress review, strategic planning, and task delegation
- Scanned internet accessible resources within the drexel.edu domain using penetration testing tools
- Performed penetration tests against multiple targets identified through sorted scan results
- Authored comprehensive vulnerability and mitigation reports for Drexel IT; credited for the discovery of a critical security vulnerability

HONORS AND AWARDS

Intermediate Chinese Proficiency Certificate, Drexel University, April 2025
Dean's List, Drexel University, Fall 2023, Spring 2024, Summer 2024, Spring 2025
A. J. Drexel Scholarship, Drexel University, Fall 2023
Seal of Biliteracy in Chinese, The School District of Philadelphia, June 2021